

Title (en)  
Head for polishing machine with oscillating sector holders

Title (de)  
Kopf für Poliermaschine mit oszillierenden Sektorträgern

Title (fr)  
Tête pour machine polisseuse avec des porte-secteurs oscillants

Publication  
**EP 0571340 B1 19960313 (FR)**

Application  
**EP 93830208 A 19930519**

Priority  
IT FI920112 A 19920522

Abstract (en)  
[origin: EP0571340A1] Head for polishing machine with a vertical drive shaft (1) provided with a flange (2) for driving a casing (3) with several sector carriers (holders) (12) wedged onto horizontal shafts (9), in which head a first toothed wheel (4) is wedged onto the drive shaft (1) and a second toothed wheel (5) is mounted freely on this same shaft, below the first one, and which is integral with an annular cam (6) with a groove (7), a ring (14) with internal toothing, mounted freely and eccentrically with respect to the shaft (1) engaging with the said toothed wheels (4,5); in which head the shaft (9) of each sector carrier (12) is provided with a first vertical stud (15) carrying a roller (8) which is guided in the groove (7) of the said cam (6), and with a second stud (11) which is transverse with respect to the shaft (9) and extends beyond it; and in which head a ring (10) is mounted on the shaft (9) of each sector carrier (12), which ring is provided with two slits (17) with a helical track for guiding the ends of the corresponding stud (11) so that each sector carrier (12) is subjected to a reciprocating movement along its own axis (90) and, at the same time, to an oscillatory movement about the said axis (90). <IMAGE>

IPC 1-7  
**B24B 41/047**

IPC 8 full level  
**B24B 41/047** (2006.01)

CPC (source: EP)  
**B24B 41/0475** (2013.01)

Cited by  
CN112975689A; EP2322320A1; CN113510595A; EP0628381A1; EP0908271A3; CN1074971C; IT202000004387A1

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